

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No.: 10/589,173 Confirmation No.: 6867  
Applicants: Gentry *et al.*  
Filed: May 15, 2007  
Art Unit: 1644  
Examiner: Belyavskiy, Michail A.  
Title: STEM CELL POPULATIONS AND METHODS OF USE

Docket No.: 045331/314982  
Customer No. 00826

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT UNDER 37 C.F.R. § 1.111**

Dear Sir:

In response to a non-final Office Action dated March 8, 2010, please amend the above-identified patent application as follows:

**Amendments to the Claims** are reflected in a listing of claims that begin on page 2 of this paper.

**Remarks** begin on page 17 of this paper.